Contents, Volume 86

Pteridology of the Highlands Biological Station Area, Southern Appalachians
Warren H. Wagner, Jr., Donald R. Farrar, and Bruce W. McAlpin 1

The Barrelfish, *Hyperoglyphe perciformis* (Pisces, Stromateidae), in Pamlico Sound, N. C., and Adjacent Atlantic Ocean
J. V. Merriner, W. A. Foster, and Frank J. Schwartz 28

Fishes and Changing Ecology of Mullet Pond, a Barrier Beach Island Pond on Shackleford Banks, North Carolina *Frank J. Schwartz* 31

First Record of Albinism in the Hammerhead Shark, *Sphyrna lewini* (Pisces: Sphyrnidae) *Michael D. McKenzie* 35

The Calculation of the Number of Isomers in Certain Ring Systems, III. Stereoisomers in Cycloalkadienes and Cycloalkatrienes
Will S. DeLoach and Jack B. Levy 38

Nonpetrified Fossils in Pleistocene Sediment from a Marl Quarry Site in Eastern North Carolina *Felton R. Nease and Frederick A. Wolf* 41

Nonpetrified Fossils from the Site of a Phosphate Mine in Eastern North Carolina *Frederick A. Wolf and Felton R. Nease* 44

Notes on North Carolina Boletes. I. Species of *Boletellus, Phylloporus, Strobilomyces, Tylopilus,* and *Xanthoconium* *L. F. Grand* 49

Notes on North Carolina Boletes. II. Species of *Gyrodon, Gyroporus, Xerocomus,* and *Leccinum* *L. F. Grand* 57

Aquatic Fungi of Iceland, Saprolegniaceae
Kenneth L. Howard, Roland Seymour, and T. W. Johnson, Jr. 63

The Vegetation of Overton Rock Outcrop, Franklin County, North Carolina
Patricia Greene Palmer 80

Taxonomic and Nomenclatural Observations on the Eastern North American Genus *Asimina* (Annonaceae) *Robert L. Wilbur* 88

Spiders of the North Carolina Piedmont Old-Field Communities *James W. Berry* 97

Ultracytotaxonomy of Basidiomycetes. I. Scanning Electron Microscopy of Spores *Larry F. Grand and Royall T. Moore* 106

Larval Distribution of Commercially Important Penaeidae in North Carolina
Lowell V. Sick 118

Bourrellia, a New Genus (Chrysophyceae) from South Carolina *Gary E. Dillard* 128

Ultrastructure of Ascospore Development in *Sordaria fimicola*
J. S. Furtado and L. S. Olive 131

The Ruffed Grouse Near the Southeast Edge of Its Range *Dale E. Hein* 139

Proceedings and Abstracts from the Sixty-Seventh Annual Meeting of the North Carolina Academy of Science, May 1–2, 1970, at Raleigh, N.C. 147

A New Species of *Rhizophydium* with Hispidulose Zoosporangia — *Roland Seymour* 187

Rhizidium braziliensis Karling from North Carolina — *Roland Seymour* 191

Occurrence of the Common Snook, *Centropomus undecimalis* (Bloch) (Pisces-(Centropomidae), in North Carolina Waters — *J. V. Merriner, W. T. Hogarth, and W. A. Foster* 194

Truncation Algebras — *W. E. Jenner* 196

Population Fluctuations in the Genus *Trachelomonas* (Order Euglenida) — *John J. McCoy* 198

Fungi in Animal Shell Fragments — *A. R. Cavaliere and Randall S. Alberte* 203

Differential Chronopotentiometry as a Method of Determining the Transfer Coefficient for an Irreversible Electrochemical Process — *Larry R. Sherman* 207

Notes on North Carolina Boletes. III. Species of *Suillus* — *Larry F. Grand* 209

Morphological Characterization of *Pinus pungens* — *Donald B. Zobel* 214